

## Claims

What is claimed is:

- 5 1. A projection method of a real object projector, in which an image receiving  
key is used for operating the real object projector to project an image on a  
transparent film, the real object projector comprising a light source  
module, a control circuit and an image receiving apparatus, and the light  
source module further comprises a transparent film clip having a mark, the  
10 method comprising steps of:
  - (a)moving the image receiving apparatus to a suitable position  
according to the mark;
  - (b)focusing the image receiving apparatus according to the transparent  
film clip;
  - 15 (c)pressing the image receiving key; and
  - (d)digitally magnifying the projection image of the transparent film  
with the control circuit depending on a type of the transparent  
film clip.
- 20 2. The projection method of a real object projector of claim 1 wherein the  
image receiving key is selected from an image receiving key on the real  
object projector and an image receiving key on a computer which is  
connected to the real object projector.
- 25 3. The projection method of a real object projector of claim 1 wherein step (a)  
is selected from a manual operation and an automatic operation.

4. The projection method of a real object projector of claim 1 wherein step (b) is selected from a manual focus and an automatic focus.
5. The projection method of a real object projector of claim 1 wherein the image receiving key is selected from an image receiving key which assigns sizes of the transparent film and an image receiving key which does not assign sizes of the transparent film, and if the image receiving key is selected from the later, steps (c) and (d) further identify kinds of the transparent film clip via the control circuit.
6. The projection method of a real object projector of claim 1 wherein step (c) is arranged before step (a), and the method is performed in a sequence of (c)(a)(b)(d).
7. The projection method of a real object projector of claim 1 wherein step (b) is arranged after step (d), and the method is performed in a sequence of (a)(c)(d)(b).
8. The projection method of a real object projector of claim 1 wherein step (b) and step (c) are exchanged, and the method is performed in a sequence of (a)(c)(b)(d).
9. A projection method of a real object projector for projecting a transparent film image, the real object projector comprising a light source module, a control circuit and an image receiving apparatus, and the light source

module further comprises a transparent film clip having a mark, wherein the method comprises steps of:

- (a) moving the image receiving apparatus to a suitable position according to the mark;
- 5 (b) automatically focusing the image receiving apparatus according to the transparent film clip;
- (c) automatically identifying a kind of transparent film clip with the control circuit; and
- (d) digitally magnifying the projection image of the transparent film  
10 with the control circuit.

10. A projection method of a real object projector, in which an image receiving key is used for operating the real object projector to project a transparent film, the real object projector comprises a light source module,  
15 a control circuit and an image receiving apparatus, and the light source module further comprises a transparent film clip having a mark, wherein the method comprises steps of:

- (a) pressing the image receiving key;
- (b) moving the image receiving apparatus to a suitable position for  
20 maximizing a projection image; and
- (c) focusing the image receiving apparatus according to the transparent film clip.

11. The projection method of a real object projector of claim 10 wherein the  
25 image receiving key is selected from an image receiving key on the real object projector and an image receiving key on a computer which is

connected to the real object projector.

12. The projection method of a real object projector of claim 10 wherein step (c) is selected from a manual focus and an automatic focus.

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13. The projection method of a real object projector of claim 10 wherein the image receiving key is selected from an image receiving key which assigns sizes of the transparent film and an image receiving key which does not assign sizes of the transparent film, if the image receiving key is selected from the later, further adding three steps between steps (a) and (b), the three steps comprising:

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(p) automatically moving the image receiving apparatus to a suitable position according to the mark;

(q) automatically focusing the image receiving apparatus; and

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(r) automatically identifying a kind of the transparent film clip with the control circuit.

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14. A projection method of a real object projector, in which an image receiving key is used for operating the real object projector to project a transparent film, the real object projector comprising a light source module, a control circuit and an image receiving apparatus, and the light source module further comprises a transparent film clip having a mark, wherein the method comprises steps of:

(a) pressing the image receiving key;

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(b) automatically moving the image receiving apparatus to a suitable position in accordance with the mark;

(c) automatically focusing the image receiving apparatus corresponding to the transparent film clip;

(d) automatically identifying kinds of the transparent film clip with the control circuit;

5 (e) automatically moving the image receiving apparatus to a suitable position for obtaining a sufficient magnifying power corresponding to kinds of the transparent film clip; and

(f) automatically zooming and focusing the image receiving apparatus to magnify a projection image.

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15. The projection method of a real object projector of claim 14 wherein the image receiving key is selected from an image receiving key on the real object projector and an image receiving key on a computer which is connected to the real object projector.

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